

*Simple operation to cut both Steel Plate and Pipe!
Improve your productivity by automated plasma cutting!*

PNC-PIPE



※ This picture is only a image. Device configuration may change according to specifications

- **Plate and Pipe cutting, new dual-purpose cutting machine.**
- **Improve cutting quality and productivity by switching from hand cutting to automatic cutting.**
- **Stable automation is guaranteed by the know-how acquired over the years.**
- **Create cutting data by simply entering numerical values according to the parameters screen.**
- **Easy management of delivery time according to in-house production.**

Pipe/Plate Cutting machine with simple CNC

PNC-Pipe is the latest version of the PNC series used around the world, combining plate and pipe cutting system. Having kept maneuverability and easy handling offers to all people to be able to use a CNC cutting machine. A simple manipulation allows to switch between flat plate to pipe cutting mode.

The automation of the cutting system reduce considerably the production time and offers a higher cutting result compared to manual cutting. With the PNC-Pipe you will be more autonomous by cutting your own parts according to your needs.

Several of patterns are previously built-in registered, by replacing dimension by the ones you need, you can quickly and easily create your NC data for cutting. Data can be saved in the machine or USB. Shapes once created, can be reused immediately without re-drawing.

Plasma fumes generated during pipe cutting is collected by a dust collector through rotation unit and pipe.



Easy operation for a wide range of applications

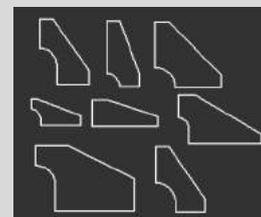
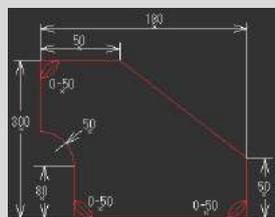
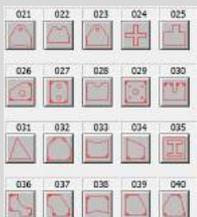
- You can create cutting data simply by selecting shapes and specifying dimensions. Pattern shape is built in PNC-PIPE controller. 47 types of pattern for plate cutting and 3 for pipe cutting. Possibility to create cutting data on site without computer.
- The 3 pattern for pipe cutting are, diagonal cutting of pipe end, cutting a hole on pipe body and pipe cutting according to the hole on the pipe. Maximum number of shapes for continuous cutting is 8.
- You can also draw shapes that are not in the pattern with the CAD/CAM software for plate (1 license as standard). Created NC data can be copied to the controller by using USB memory.
- 10 pattern are selectable with CAM software for Pipe cutting (1 license as standard FAST-CAM).



Simple data creation

You can create NC data by simply entering dimensions, angles, etc.

CAD/CAM software for plate cutting

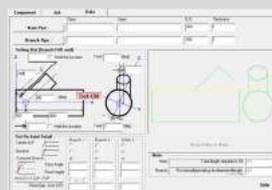
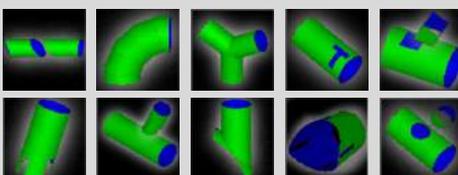


① Select pattern from the list.

② Enter dimensions of each part.

③ By changing the entered value, the shape

CAM software for pipe cutting



① choose the a pattern.

② Enter dimensions.

③ Pipe expansion data and NC data are automatically generated.



Manual cutting to Automatic cutting

Reduced preparation time

Manually cutting pipes, need times to prepare the drawing and marking. With PNC-PIPE, cutting data are ready quickly by choosing the shape and entering dimension.

Reduce time/cost of after cutting process

After a manual cutting, finishing is indispensable. It is necessary to provide time and equipment.

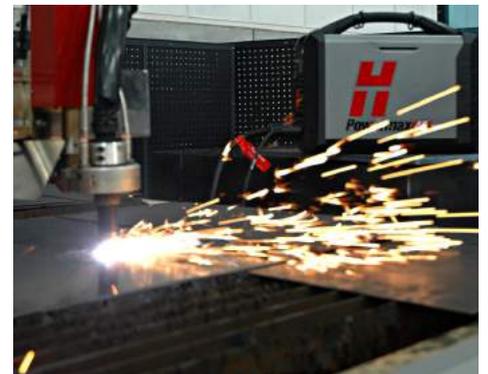
Reduction of time and cost for finishing process is guaranteed with an automatic cutting.

Cut as much as you need when needed

By in-house production, you can quickly cut every parts with required quantity when needed. Need to consider cutting many kinds in small quantities even 1 pc.

Dual-purpose with 1 machine

No need to prepare space or buy more than one machine. PNC-PIPE gives

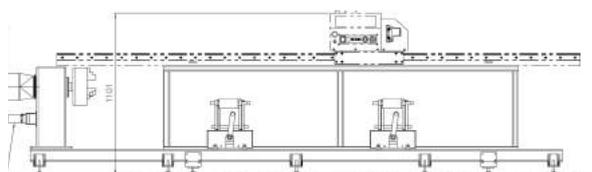
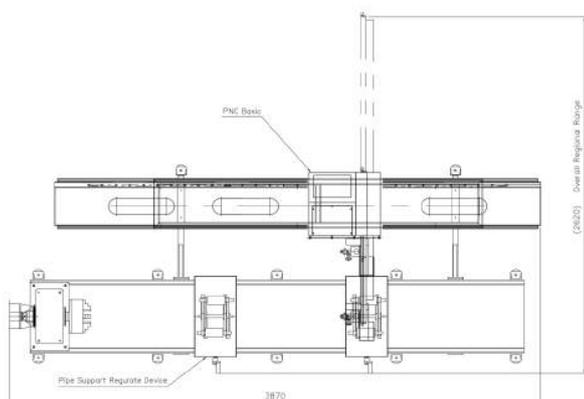


Options :

- **Cutting table**
Necessary for plate cutting (setting material).
- **Dust collector**
collect fumes generated during plasma cutting.
- **Plasma power supply**
Low noise, Hypertherm Powermax series
- **Conversion Kit for gas cutting**
Purchase the Gas torch set and switch plasma to gas cutting.

PNC-PIPE Main Specification

Model Name		PNC-PIPE
Shape of Cut Material		Flat Plate and Pipe by switching the cutting mode
Max. Cutting Speed		2000mm/min
Max. Jog Speed		6000mm/min
Pipe Cutting	Max. Length	3000mm
	Pipe Diameter Range	φ40 ~ 260mm
	Thickness	4 ~ 16mm
	Max. Load	400kg
	Pipe Accuracy	Tolerance □ 2% (for both Roundness / Straightness)
Flat Plate Cutting (Cutting table is required)	Effective Cutting Width	1500mm
	Effective Cutting Length	3000mm
Chuck Type		Triple-Jaws hollow chuck for connection to fume collecting duct (φ 150mm)
Pipe Support		2 sets
Number of Control Axis		2 Axis
Number of Plasma Torch		1 (Plasma cutting system is not included.)
Plasma Height Sensor / Initial Height Sensor Unit		Built-in as Standard
CAD/CAM Software for Flat Plate		1 License as Standard (PNC-CAM)
CAM Software for Pipe		1 License as Standard (FAST-CAM/FAST-PIPE Basic 10 modules)
Machine Size		3870mm x 2820mm x 1110mm
Input Voltage		Single phase AC100-240V 50HZ/60HZ



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